

WEBINAR REPORT – July 16th 2021

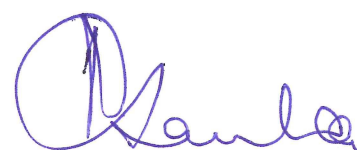
A webinar was organized by Forest Research Center for Coastal Ecosystem on July 16th 2021 from 2:00pm to 3:20pm on the topic “Mangroves of Andaman”. The speaker was Shri M. Rajkumar (Scientist- D) from Tropical Forest Research Institute (TFRI), Jabalpur. The webinar was initiated by the introductory words of The Head, FRCCE, Dr. S. Chakrabarti (Scientist -G) and was followed by the presentation of Shri M. Rajkumar.

The presentation was embedded with the information regarding mangrove diversity, habitat and their economic value. Different types of pollinations among mangrove species along with biomass aspect was also briefed in the presentation. Apart from the biological mechanisms in Mangroves, their varied presence in different places of Andaman Islands highlighting “Sundaland plate” was also discussed. A graphical representation on research trends of mangroves since 1950 to beyond 2005 year was also summarized. Low tide and high tide influential factors on mangrove population were also discussed along with future actions to be taken regarding mangroves like mangrove management interventions, role of mangroves in blue carbon sequestration, utilizing mangroves as nature based solutions, mangrove conservation, restoration and their sustainable use were described in detail during the session.

The initiatives of Government of India – programme/mission mode along with India specific actions mentioning about ‘Green Indian Mission’ and ‘Bonn challenge’ were highlighted. Photographs of Indian Ocean tsunami 2004 with reference to pre and post mangrove area demarcated in satellite view were also displayed in the presentation. The session was completely focused on mangroves, briefing each and every aspect regarding them thus elevating the purpose of conservation of mangroves.

Staff from IFB and FRCCE (10 members) participated in the webinar along with a trainee from FRCCE. The session was followed with a doubts clarifying session in which the question was regarding difference between durability of timber of normal trees and mangroves. Shri M. Rajkumar clarified that both the timbers are equally important in their own perspectives.

Session concluded by Dr. S. Chakrabarti thanking the speaker for his valuable information shared through the presentation.



FEW GLIMPSES OF WEBINAR:

Sundaland plate

One of India's most dense & diverse mangrove forest.

The A & N islands are an archipelago of about 572 islands; (including islets & rocks) almost inhabited.

Rainfall (annual average: 3143 mm) and annual temperature of 26.3°C.

Climatic conditions favor the growth of mangroves along the creeks, near bays and lagoons.

The species diversity – approx. 45 species in 27 genera

The slide includes a map of the Sundaland region in Southeast Asia, showing the Malay Peninsula, Sumatra, and the Indonesian archipelago. A list of coordinates is provided for various locations:

- IND-1 01°04'N 102.39°E
- IND-2 03°04'N 104.15°E
- IND-3 03°04'N 104.15°E
- IND-4 03°04'N 104.15°E
- IND-5 03°04'N 104.15°E
- IND-6 03°04'N 104.15°E
- IND-7 03°04'N 104.15°E
- IND-8 03°04'N 104.15°E
- IND-9 03°04'N 104.15°E
- IND-10 03°04'N 104.15°E
- IND-11 03°04'N 104.15°E
- IND-12 03°04'N 104.15°E

Participants in the Zoom meeting:

- Rajkumar M
- Siva Satya Prasad
- anusha tellabati
- Institute of Forest Biodiv
- VARUN SINGH
- ganesh m
- You

Based on published literature
Keywords: Mangroves/Andamans/ Mangroves A&N Islands

Research trends 1950-2004; 2005 and beyond

The graph shows the number of research articles published over time. The x-axis represents years from 1954 to 2021, and the y-axis represents the number of research articles from 0 to 12. A vertical line is drawn at the year 2004, with the text '2004年インド洋地震と津波' (2004 Indian Ocean Earthquake and Tsunami) below it.

Year	No. of research articles
1954	1
1960	2
1962	4
1965	2
1967	4
1969	5
1971	2
1973	6
1975	2
1977	4
1979	2
1981	4
1983	2
1985	4
1987	2
1989	4
1991	2
1993	4
1995	2
1997	4
1999	2
2001	4
2003	2
2004	6
2005	2
2006	4
2008	2
2010	4
2012	2
2014	10
2015	6
2016	4
2017	6
2018	4
2019	6
2021	7

2:19 PM | Webinar on Mangroves of Andaman

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Mangroves and Salt marshes - PowerPoint (Product Activation Failed)

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Indian Ocean Tsunami 2004

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Slide 32 of 43 English (India)

Participants: Shiva Satya Prasad, Institute of Forest Biodiversity, VARUN SINGH, ganesh m, manikanta reddy, Yashwanth Reddy, 3 others, You

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1 WILL NOT BEAT INDIAN
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2 STUDIES ON THE FLORA OF THE ANDAMAN ISLANDS
K. THIRUPATHI
Journal, Central National Botanic Garden of Service of India, Botanic Garden, Coimbatore

3 A GENERAL ACCOUNT OF THE FAUNA AND FLORA OF MANGROVE SWAMPS AND FORESTS IN THE INDO-WEST-PACIFIC REGION
WILLIAM MEYER
Department of Zoology, University of the Witwatersrand, Johannesburg, South Africa

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Slide 13 of 43 English (India)

Participants: Shiva Satya Prasad, Institute of Forest Biodiversity, arunika telibati, VARUN SINGH, ganesh m, You